

**Errors Corrected by the STIC Systems Branch**

0270 OIPE

Serial Number: 09/685,343

CRF Processing Date: 10/20/2000  
 Edited by: AD  
 Verified by: AD (STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☒ Other: Seq 3 - corrected spelling of PRIMER

**\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/685,343

DATE: 10/20/2000  
 TIME: 11:25:37

Input Set : A:\34901971.app  
 Output Set: N:\CRF3\10202000\I685343.raw

**Does Not Comply  
 Corrected Diskette Needed**

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3 <110> APPLICANT: CHARNEAU, PIERRE
4     ZENNOU, VERONIQUE
5     PFLUMIO, FRANCOISE
6     SIRVEN, ARIDE
7     DUBART, ANNE
9 <120> TITLE OF INVENTION: LENTIVIRAL TRIPLEX DNA, AND VECTORS AND RECOMBINANT
10    CELLS CONTAINING LENTIVIRAL TRIPLEX DNA
12 <130> FILE REFERENCE: 03495.0197 SEQUENCE LISTING
C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/685,343
C--> 15 <141> CURRENT FILING DATE: 2000-10-11
17 <150> PRIOR APPLICATION NUMBER: 60/158,387
18 <151> PRIOR FILING DATE: 1999-10-12
20 <160> NUMBER OF SEQ ID NOS: 24
22 <170> SOFTWARE: PatentIn Ver. 2.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 25
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTAGENESIS
31     PRIMER BASED ON PLASMID pLAI3
33 <400> SEQUENCE: 1
34 caattttaaa agaagagggg ggatt                25
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 43
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTAGENESIS
44     PRIMER BASED ON PLASMID pLAI3
46 <400> SEQUENCE: 2
47 attcatccac aacttcaagc gccgcggtgg tattggggggg tac        43
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 23
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
57     AMPLIFY NUCLEIC ACID ENCODING THE ENHANCED GREEN
58     FLUORESCENT PROTEIN
60 <400> SEQUENCE: 3
61 ccggatcccc accggtcgcc acc                23
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 23
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
71     AMPLIFY NUCLEOTIDES ENCODING THE ENHANCED GREEN
72     FLUORESCENT PROTEIN
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78 <210> SEQ ID NO: 5
79 <211> LENGTH: 47
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
85     AMPLIFY pUCLTRRI-.
87 <400> SEQUENCE: 5
88 cgggaattcgg atccgcggcc gcatcgatct tgtcttcggt gggagtg          47
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 40
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
98     AMPLIFY pUCLTRRI-.
100 <400> SEQUENCE: 6
101 cggaattcag ccgtctcgag agatgctgca tataagcagc                40
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 38
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
111     AMPLIFY CPPT AND CTS OF pLAI3
113 <400> SEQUENCE: 7
114 gtggtcggcg ccgaattcac aaatggcagt attcatcc                38
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 34
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
124     AMPLIFY CPPT AND CTS OF pLAI3
126 <400> SEQUENCE: 8
127 gtcgtcggcg ccccaaagtg gatctctgct gtcc                34
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 38
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
137     AMPLIFY TRIPLEX SEQUENCE OF EFl alpha PROMOTER ON
138     THE MATRIX pLai

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147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
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151     AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON
152     THE MATRIX pLai
154 <400> SEQUENCE: 10
155 agcctcacga cgcgtatcag ccaaagtgga tctctgctg 39
158 <210> SEQ ID NO: 11
159 <211> LENGTH: 26
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
165     AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON
166     THE MATRIX pEFpgkneo
168 <400> SEQUENCE: 11
169 ctgatacgcg tcgtgaggct ccggtg 26
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 26
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER TO
179     AMPLIFY TRIPLEX SEQUENCE OF EF1 alpha PROMOTER ON
180     THE MATRIX pEFpgkneo
182 <400> SEQUENCE: 12
183 cgggatacctg tgttctggcg gcaaac 26
186 <210> SEQ ID NO: 13
187 <211> LENGTH: 23
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo sapiens
191 <400> SEQUENCE: 13
192 ccctcgagct agagtcgcgg ccg 23
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 23
197 <212> TYPE: DNA
198 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 14
201 ccggatcccc accggtcgcc acc 23
204 <210> SEQ ID NO: 15
205 <211> LENGTH: 21
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:

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210 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
211     AMPLIFICATION OF pLAI3 VIRAL DNA
213 <400> SEQUENCE: 15
214 agaagaaatg atgacagcat g                               21
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 17
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
224     AMPLIFICATION OF pLAI3 VIRAL DNA
226 <400> SEQUENCE: 16
227 tgccagtctt agctctg                                     17
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 20
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
237     SYNTHESIS OF PROBE FOR pTRIPGFP VECTOR
239 <400> SEQUENCE: 17
240 cagggacttg aaagcgaaag                                   20
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 27
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: PRIMER FOR
250     SYNTHESIS OF PROBE FOR pTRIPGFP VECTOR
252 <400> SEQUENCE: 18
253 gcttggtgtaa ttgttaattt ctctgtc                         27
256 <210> SEQ ID NO: 19
257 <211> LENGTH: 7
258 <212> TYPE: PRT
259 <213> ORGANISM: Human immunodeficiency virus type 1
261 <220> FEATURE:
262 <221> NAME/KEY: PEPTIDE
263 <222> LOCATION: (1)..(7)
264 <223> OTHER INFORMATION: Partial HIV-1 cPPT sequence.
266 <400> SEQUENCE: 19
267 Asn Phe Lys Arg Lys Gly Gly
268   1           5
271 <210> SEQ ID NO: 20
272 <211> LENGTH: 19
273 <212> TYPE: DNA
274 <213> ORGANISM: Human immunodeficiency virus type 1
276 <400> SEQUENCE: 20
277 tttttaaaga aaagggggg                                     19
280 <210> SEQ ID NO: 21

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281 <211> LENGTH: 19
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATION
287     INTRODUCED INTO THE HIV-1 CPPT SEQUENCE
289 <400> SEQUENCE: 21
290 ttttaaacgc aaagtggt                                19
293 <210> SEQ ID NO: 22
294 <211> LENGTH: 7
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTANT
300     PEPTIDE OF HIV-1 CPPT SEQUENCE
302 <400> SEQUENCE: 22
303 Asn Phe Lys Arg Arg Gly Gly
304   1           5
307 <210> SEQ ID NO: 23
308 <211> LENGTH: 19
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATION
314     INTRODUCED INTO THE HIV-1 CPPT CODING SEQUENCE
316 <400> SEQUENCE: 23
317 ttttaaaga agagggggg                                19
320 <210> SEQ ID NO: 24
321 <211> LENGTH: 19
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Description of Artificial Sequence: MUTATIONS
327     INTRODUCED INTO THE HIV-1 CPPT CODING SEQUENCE
329 <400> SEQUENCE: 24
330 cttcaagcgc cgcggtgt                                19

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VERIFICATION SUMMARY

DATE: 10/20/2000

PATENT APPLICATION: US/09/685,343

TIME: 11:25:38

Input Set : A:\34901971.app

Output Set: N:\CRF3\10202000\I685343.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date